



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Toshiaki Shirosaka et al.

Confirmation No.: 1713

Serial No.: 10/550,885 ✓

Group Art Unit: 2821

Filed: 09/27/2005

Examiner: not yet known

For: VARIABLE DIRECTIVITY ANTENNA AND VARIABLE DIRECTIVITY ANTENNA
SYSTEM USING THE ANTENNAS

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail under 37 CFR § 1.8 addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

By: Elizabeth Orleman
Elizabeth Orleman

Date: 12/20/05

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR.
§ 1.56 in connection with the above-identified application, which statement is being filed:

- [] Together with the present application.
- [x] Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]

☐ After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. **[37 CFR § 1.97(c)]**

☐ After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. **[37 CFR § 1.97(d)]**

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

☒ No separate requirements are needed.

☒ No additional fee is required.

☐ **Fee Under 37 CFR § 1.97(c)**

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

☐ **Fee Under 37 CFR § 1.97(d)**

The fee of \$180.00 for submission of an information disclosure statement under § 1.97(d) set forth in § 1.17(p) accompanies this statement.

☐ **Certification Under 37 CFR § 1.97(e)**

() Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or

() No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement.

Provision of Copies of References

☒ A copy of each of the non-U.S. patent references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.

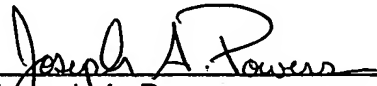
- ☒ A translation or partial translation of each of the non-U.S. patent references on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.
- ☒ A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). . The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- ☒ The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 04-1679. A duplicate copy of this transmittal is attached.

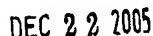
Respectfully submitted,

DATE: 12-20-2005



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Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Application Number

10/550.885

Filing Date

09/27/2005

First Named Inventor

Toshiaki Shirosaka et al.

Art Unit

2821

Examiner Name

Attorney Docket Number

D3301-00149

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

PH1\1515760.1

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

